

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 06/05/2019 11:15 AM
Cytometer Baseline: 04/24/2019 12:37 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80996 **Expiration Date:** 04/30/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	135330	8	2.99	135418	2.96
Blue	F	SSC	125000	130121	4	1.79	130933	1.77
Blue	E	FITC	16122	16688	3	3.22	362	20.02
Blue	D	PE	29316	30915	5	2.62	672	14.49
Blue	B	PerCP-Cy5-5	42590	44075	3	3.99	1188	20.04
Blue	A	PE-Cy7	33146	35650	7	6.39	683	40.46
Red	C	APC	45473	46709	2	2.72	1651	12.07
Red	A	APC-Cy7	31961	32125	0	2.73	849	11.95
Violet	B	V450	7914	7653	-4	3.81	427	13.26
Violet	A	V500	29769	28895	-3	3.63	675	10.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22908	3.86	614	14	N/A	N/A	Pass
Blue	F	SSC	58979	1.63	548	10	N/A	N/A	Pass
Blue	E	FITC	65	65.51	542	5	0.0209	210	Pass
Blue	D	PE	140	49.96	545	8	0.1844	333	Pass
Blue	B	PerCP-Cy5-5	217	49.07	644	6	0.0094	58	Pass
Blue	A	PE-Cy7	128	97.08	701	10	0.0109	9	Pass
Red	C	APC	392	25.40	588	9	0.0252	188	Pass
Red	A	APC-Cy7	188	28.88	564	8	0.0057	1237	Pass
Violet	B	V450	64	62.90	459	-1	0.0522	2350	Pass
Violet	A	V500	100	35.99	471	-1	0.0245	1274	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.09	-31.43	0.98
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.53
Red	15.91	13.60 - 20.40	N/A	N/A	28.90	29.41	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 12415

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments